



SEQUENCE LISTING

<110> Robl, James M.
Kuroiwa, Yoshimi
Tomizuka, Kazuma
Ishida, Isao

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Prion Protein Activity and Uses Thereof

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<141> 2003-11-10

<150> US 60/506,901
<151> 2003-09-26

<150> US 60/425,056
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50 55 60
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Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ile Thr Gly Asp Ala Phe
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35 40 45
Tyr Asp Gly Ser Asn Gln Tyr Tyr Ile Asp Ser Val Lys Gly Arg Phe
50 55 60
Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr Leu Gln Met Asn
65 70 75 80
Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Asp Arg

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 85 90 95
 Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Gly Leu Phe Gly
 100 105 110
 Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala Ala Pro Ser
 115 120 125
 Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala Asn Lys Ala
 130 135 140
 Thr Leu Val
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caaggagaca gcctcagaag ctattatgca agctggtacc accagaagcc aggacaagcc 180
cctgtacttg tcatactatgg taaaaacaac cggccctcag ggatcccaga ccgattctct 240
ggctccagct caggaaacac agttcccttg accatcaactg gggctcaggc ggaggatgag 300
gctgactatt actgttaactc ccgggacagc agtggtaacc atgtggtatt cggcgaggg 360
accaagctga ccgtcctagg tcagcccaag gctgccccct cggtaactct gttcccaccc 420
tcctctgagg agttcaagc caacaaggcc acactggtg 459

<210> 59
<211> 153
<212> PRT
<213> Bovine

<400> 59
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20 25 30
Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
35 40 45
Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
50 55 60
Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
65 70 75 80
Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
85 90 95
Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
100 105 110
Asn His Val Val Phe Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
115 120 125
Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
130 135 140
Leu Gln Ala Asn Lys Ala Thr Leu Val
145 150

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atctcctgca agtctactca gagtctgaaa tatagtatg gaaaaaccta tttgtactgg 180
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aatactttcg gccaaaggaa caaggttagag atcaaaaggt ctgtatgtca gccatccgtc 420
ttcccttca aaccatctga tgagcagctg aagaccggaa ctgtctctgt cgtgtgcttg 480
gtgaatgatt tctacccaa agatataat gtcaagtggaa aagtggatgg ggttactcag 540
agcagcagca acttccaaa cagtttcaca gaccaggaca gcaagaaaag cacctacagc 600
ctcagcagca tcctgacact gcccagctca gagtacaaa gccatgacgc ctatacgtgt 660
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<220>
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<210> 63
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<400> 64
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<400> 94
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